showerhead, faucet, water closet, or urinal in a catalog, from which it may be purchased, shall include in such catalog, on each page that lists the covered product, the product's water use, expressed in gallons and liters per minute (gpm and L/min) or per cycle (gpc and L/cycle) or gallons and liters per flush (gpf and Lpf) as specified in § 305.11(f).

[59 FR 34036, July 1, 1994, as amended at 59 FR 49564, Sept. 28, 1994; 59 FR 67530, Dec. 29, 1994; 60 FR 14211, Mar. 16, 1995]

ADDITIONAL REQUIREMENTS

§ 305.15 Test data records.

(a) Test data shall be kept on file by the manufacturer of a covered product for a period of two years after production of that model has been terminated.

(b) Upon notification by the Commission or its designated representative, a manufacturer or private labeler shall provide, within 30 days of the date of such request, the underlying test data from which the water use or energy consumption rate, the energy efficiency rating, the estimated annual cost of using each basic model, or the light output, energy usage and life ratings and, for fluorescent lamps, the color rendering index, for each basic model or lamp type were derived.

[52 FR 46894, Dec. 10, 1987, as amended at 59 FR 67530, Dec. 29, 1994]

§ 305.16 Required testing by designated laboratory.

Upon notification by the Commission or its designated representative, a manufacturer of a covered product shall supply, at the manufacturer's expense, no more than two of each model of each product to a laboratory, which will be identified by the Commission or its designated representative in the notice, for the purpose of ascertaining whether the estimated annual energy consumption, the estimated annual operating cost, or the energy efficiency rating, or the light output, energy usage and life ratings or, for general service fluorescent lamps, the color rendering index, disclosed on the label or fact sheet or in an industry directory, or, as required in a catalog, or the representation made by the label that the product is in compliance with applicable standards in section 325 of the Act, 42 U.S.C. 6295, is accurate. Such a procedure will only be followed after the Commission or its staff has examined the underlying test data provided by the manufacturer as required by § 305.15(b) and after the manufacturer has been afforded the opportunity to reverify test results from which the estimated annual energy consumption, the estimated annual operating cost, or the energy efficiency rating for each basic model was derived, or the light output, energy usage and life ratings or, for general service fluorescent lamps, the color rendering index, for each basic model or lamp type was derived. A representative designated by the Commission shall be permitted to observe any reverification procedures required by this part, and to inspect the results of such reverification. The Commission will pay the charges for testing by designated laboratories.

[59 FR 67530, Dec. 29, 1994]

EFFECT OF THIS PART

§ 305.17 Effect on other law.

This regulation supersedes any State regulation to the extent required by section 327 of the Act. Pursuant to the Act, all State regulations that require the disclosure for any covered product of information with respect to energy consumption, other than the information required to be disclosed in accordance with this part, are superseded.

§ 305.18 Stayed or invalid parts.

If any section or portion of a section of this part is stayed or held invalid, the remainder of the part will not be affected.

[52 FR 46894, Dec. 10, 1987. Redesignated at 59 FR 34036, July 1, 1994]

§ 305.19 Exemptions.

The Commission has exempted manufacturers, private labelers, distributors, and/or retailers in some instances from specific requirements of this part. These exemptions are listed in this section. In some circumstances, use of the exemptions is conditioned on alternative performance by manufacturers,

private labelers, distributors, and/or retailers.

(a) Limited conditional exemption for manufacturers from the prohibition against the inclusion of non-required information on the label of covered products that qualify for inclusion in the ENERGY STAR Program maintained by the Department of Energy (''DOE'') and the Environmental Protection Agency (''EPA''). Those manufacturers participating in the DOE/EPA ENERGY STAR Program who wish to place the ENERGY STAR logo on EnergyGuides affixed to covered products they manufacture that qualify for inclusion in the ENERGY STAR Program are granted a conditional exemption from the prohibition against placing ''information other than that specified'' by the Rule on the EnergyGuides they attach to their qualifying products. This exemption is based on several conditions:

(1) The ENERGY STAR logo is permitted on the EnergyGuides of only those covered products that meet the ENERGY STAR Program qualification criteria that are current at the time the products are labeled.

(2) Only manufacturers that have signed a Memorandum of Understanding with DOE or EPA may add the ENERGY STAR logo to labels on qualifying covered products; such manufacturers may add the ENERGY STAR logo to labels only on those covered products that are contemplated by the Memorandum of Understanding.

(3) Manufacturers that choose to avail themselves of the conditional exemption may print the ENERGY STAR logo on EnergyGuides for qualified products as part of the usual label printing process or may place the logo on EnergyGuides for qualified products by whatever means is most efficient for them, provided such placement complies with the requirements of paragraph (a)(4), of this section.

(4) Manufacturers must place the logo on the EnergyGuide above the comparability bar in the box that contains the applicable range of comparability. The precise location of the logo will vary depending on where the caret indicating the position of the labeled model on the scale appears (see the sample label). The required dimensions of the logo must be one and one-eighth inches (3 cm.) in width and three-quarters of an inch (2 cm.) in height. Manufacturers are prohibited from placing the logo in a way that would obscure, detract from, alter the dimensions of, or touch any element of the EnergyGuide, which in all other respects must conform to the requirements of this part. The ENERGY STAR logo must be in process black ink to match the print specifications for the EnergyGuide. The background must remain in process yellow to match the rest of the label.

(5) Manufacturers must add a sentence in process black ink that explains the significance of the ENERGY STAR logo in ten-point Helvetica Condensed Black typeface. The sentence must be next to the logo, above the comparability bar that shows the ''least'' and ''most'' numbers. The sentence must read:

ENERGY STAR A symbol of energy efficiency.

(b) [Reserved]

[65 FR 17563, Apr. 3, 2000]

APPENDIX A1 TO PART 305—REFRIGERATORS WITH AUTOMATIC DEFROST

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 2.5	318	338
2.5 to 4.4	319	385
4.5 to 6.4	383	436
6.5 to 8.4	(*)	(*)
8.5 to 10.4	348	380
10.5 to 12.4	(*)	(*)
12.5 to 14.4	(*)	(*)
14.5 to 16.4	428	428

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
16.5 and over	318	438

*No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[66 FR 57868, Nov. 19, 2001]

Appendix A2 to Part 305—Refrigerators and Refrigerators-Freezers With Manual Defrost

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 2.5	280	320
2.5 to 4.4	292	345
4.5 to 6.4	296	364
6.5 to 8.4	387	387
8.5 to 10.4	273	379
10.5 to 12.4	286	286
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	396	438
18.5 to 20.4	(*)	(*)
20.5 to 22.4	(*)	(*)
22.5 to 24.4	(*)	(*)
24.5 to 26.4	(*)	(*)
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

*No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[66 FR 57868, Nov. 19, 2001; 66 FR 63749, Dec. 10, 2001]

Appendix A3 to Part 305—Refrigerator-Freezers With Partial Automatic Defrost

Range Information

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	285	434
10.5 to 12.4	313	313
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	(*)	(*)
20.5 to 22.4	(*)	(*)
22.5 to 24.4	(*)	(*)
24.5 to 26.4	(*)	(*)
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[66 FR 57869, Nov. 19, 2001]

APPENDIX A4 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST WITH TOP-MOUNTED FREEZER WITHOUT THROUGH-THE-DOOR ICE SERVICE

Range Information

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	356	356
10.5 to 12.4	408	409
12.5 to 14.4	394	440
14.5 to 16.4	372	460
16.5 to 18.4	414	489
18.5 to 20.4	416	509
20.5 to 22.4	457	530
22.5 to 24.4	499	558
24.5 to 26.4	523	560
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[66 FR 57869, Nov. 19, 2001]

APPENDIX A5 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST WITH SIDE-MOUNTED FREEZER WITHOUT THROUGH-THE-DOOR ICE SERVICE

Range Information

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	(*)	(*)
10.5 to 12.4	(*)	(*)
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	623	624
20.5 to 22.4	568	640
22.5 to 24.4	605	643
24.5 to 26.4	591	659
26.5 to 28.4	(*)	(*)
28.5 and over	614	679

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[66 FR 57869, Nov. 19, 2001]

APPENDIX A6 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST WITH BOTTOM-MOUNTED FREEZER WITHOUT THROUGH-THE-DOOR ICE SERVICE

Range Information

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	447	500
10.5 to 12.4	(*)	(*)
12.5 to 14.4	(*)	(*)
14.5 to 16.4	544	544
16.5 to 18.4	502	548
18.5 to 20.4	564	564
20.5 to 22.4	511	572
22.5 to 24.4	(*)	(*)
24.5 to 26.4	(*)	(*)
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

(*) No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[66 FR 57870, Nov. 19, 2001]

APPENDIX A7 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST WITH TOP-MOUNTED FREEZER WITH THROUGH-THE-DOOR ICE SERVICE

[Rangee Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 10.5	(*)	(*)
10.5 to 12.4	544	544
12.5 to 14.4	544	544
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	(*)	(*)
20.5 to 22.4	555	555
22.5 to 24.4	(*)	(*)
24.5 to 26.4	(*)	(*)
26.5 to 28.4	(*)	(*)
28.5 and over	(*)	(*)

*No data submitted for units meeting the Department of Energy's Energy Conservation Standards effectively July 1, 2001.

[66 FR 57870, Nov. 19, 2001]

APPENDIX A8 TO PART 305—REFRIGERATOR-FREEZERS WITH AUTOMATIC DEFROST WITH SIDE-MOUNTED FREEZER WITH THROUGH-THE-DOOR ICE SERVICE

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh.yr.)	
	Low	High
Less than 10.5	(*)	(*)
10.5 to 12.4	(*)	(*)
12.5 to 14.4	(*)	(*)
14.5 to 16.4	(*)	(*)
16.5 to 18.4	(*)	(*)
18.5 to 20.4	647	650
20.5 to 22.4	597	686
22.5 to 24.4	617	698
24.5 to 26.4	618	727
26.5 to 28.4	647	751
28.5 and over	691	765

* No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

Cost Information for Appendices A1 Through A8

When the ranges of comparability in Appendices A1 through A8 are used on EnergyGuide labels for refrigerators and refrigerator-freezers, the estimated annual operating cost disclosure appearing in the box at the bottom of the labels must be derived using the 2001 Representative Average Unit Cost for electricity (8.29¢ per kilowatt-hour), and the text below the box must identify the cost as such.

[66 FR 57871, Nov. 19, 2001]

APPENDIX B1 TO PART 305—UPRIGHT FREEZERS WITH MANUAL DEFROST

[Range information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 5.5	(*)	(*)
5.5 to 7.4	354	354
7.5 to 9.4	372	372
9.5 to 11.4	392	392
11.5 to 13.4	409	410
13.5 to 15.4	442	454
15.5 to 17.4	477	482
17.5 to 19.4	(*)	(*)
19.5 to 21.4	512	527

[Range information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
21.5 to 23.4	(*)	(*)
23.5 to 25.4	580	580
25.5 to 27.4	(*)	(*)
27.5 to 29.4	(*)	(*)
29.5 and over	1,748	1,748

*No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[67 FR 4173, Jan. 29, 2002]

APPENDIX B2 TO PART 305—UPRIGHT FREEZERS WITH AUTOMATIC DEFROST

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 5.5	482	491
5.5 to 7.4	(*)	(*)
7.5 to 9.4	(*)	(*)
9.5 to 11.4	564	564
11.5 to 13.4	(*)	(*)
13.5 to 15.4	621	655
15.5 to 17.4	682	683
17.5 to 19.4	742	742
19.5 to 21.4	745	763
21.5 to 23.4	796	796
23.5 to 25.4	(*)	(*)
25.5 to 27.4	(*)	(*)
27.5 to 29.4	(*)	(*)
29.5 and over	2,003	2,033

*No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

[66 FR 57871, Nov. 19, 2001]

APPENDIX B3 TO PART 305—CHEST FREEZERS AND ALL OTHER FREEZERS

[Range Information]

Manufacturer's rated total refrigerated volume in cubic feet	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Less than 5.5	166	245
5.5 to 7.4	276	280
7.5 to 9.4	294	294
9.5 to 11.4	312	312
11.5 to 13.4	350	362
13.5 to 15.4	394	397
15.5 to 17.4	(*)	(*)
17.5 to 19.4	445	445
19.5 to 21.4	480	480
21.5 to 23.4	512	532
23.5 to 25.4	569	570
25.5 to 27.4	(*)	(*)
27.5 to 29.4	(*)	(*)
29.5 and over	(*)	(*)

*No data submitted for units meeting the Department of Energy's Energy Conservation Standards effective July 1, 2001.

Cost Information for Appendices B1 Through B3

When the ranges of comparability in Appendices B1 through B3 are used on EnergyGuide labels for freezers, the estimated annual operating cost disclosure appearing in the box at the bottom of the labels must be derived using the 2001 Representative Average Unit Cost for

electricity (8.29¢ per kilowatt-hour), and the text below the box must identify the cost as such.≤

[66 FR 57872, Nov. 19, 2001]

APPENDIX C1 TO PART 305—COMPACT DISHWASHERS

RANGE INFORMATION

''Compact'' includes countertop dishwasher models with a capacity of fewer than eight (8) place settings. Place settings shall be in accordance with appendix C to 10 CFR part 430, subpart B. Load patterns shall conform to the operating normal for the model being tested.

Capacity	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Compact	214	307

COST INFORMATION

When the above ranges of comparability are used on EnergyGuide labels for compact-sized dishwashers, the estimated annual operating cost disclosure appearing in the box at the bottom of the labels must be derived using the 2001 Representative Average Unit Costs for electricity (8.29¢ per kilo Watt-hour) and natural gas (83.7¢ per therm), and the text below the box must identify the costs as such.

[66 FR 49531, Sept. 28, 2001]

EFFECTIVE DATE NOTE: At 67 FR 47445, July 19, 2002, Appendix C1 to Part 305 was revised, effective March 22, 2003. For the convenience of the user, the revised text is set forth as follows:

APPENDIX C1 TO PART 305—COMPACT DISHWASHERS

RANGE INFORMATION

''Compact'' includes countertop dishwasher models with a capacity of fewer than eight (8) place settings. Place settings shall be in accordance with appendix C to 10 CFR Part 430, subpart B. Load patterns shall conform to the operating normal for the model being tested.

Capacity Compact	Range of estimated annual energy consumption (k Wh/yr.)	
	Low	High
Compact	176	176

COST INFORMATION

When the above ranges of comparability are used on Energy Guide labels for compact-sized dishwashers, the estimated annual operating cost disclosure appearing in the box at the bottom of the labels must be derived using the 2002 Representative Average Unit Costs for electricity (8.28¢ per kilo Watt-hour) and natural gas (65.6¢ per therm), and the text below the box must identify the costs as such.

APPENDIX C2 TO PART 305—STANDARD DISHWASHERS

RANGE INFORMATION

''Standard'' includes portable or built-in dishwasher models with a capacity of eight (8) or more place settings. Place settings shall be in accordance with appendix C to 10 CFR part 430, subpart B. Load patterns shall conform to the operating normal for the model being tested.

Capacity	Range of estimated annual energy consumption (k Wh/yr.)	
	Low	High
Standard	312	573

COST INFORMATION

When the above ranges of comparability are used on Energy Guide labels for standard-sized dishwashers, the estimated annual operating cost disclosure appearing in the box at the bottom of the labels must be derived using the 2002 Representative Average Unit Costs for electricity (8.28¢ per kilo Watt-hour) and natural gas (65.6¢ per therm), and the text below the box must identify the costs as such.

[67 FR 47445, July 19, 2002]

APPENDIX D1 TO PART 305—WATER HEATERS—GAS

[Range Information]

Capacity	Range of estimated annual energy consumption (therms/yr. and gallons/yr.)			
First hour rating	Natural gas therms/yr.		Propane gallons/yr.	
	Low	High	Low	High
Less than 21	(*)	(*)	(*)	(*)
21 to 24	(*)	(*)	(*)	(*)
25 to 29	(*)	(*)	(*)	(*)
30 to 34	(*)	(*)	(*)	(*)
35 to 40	(*)	(*)	(*)	(*)
41 to 47	242	263	265	284
48 to 55	235	278	257	304
56 to 64	238	273	262	299
65 to 74	215	283	249	310
75 to 86	220	288	266	317
87 to 99	255	295	279	310
100 to 114	268	300	294	329
115 to 131	288	288	317	336
Over 131	288	349	317	383

* No data submitted.

[59 FR 48797, Sept. 23, 1994, as amended at 59 FR 49564, Sept. 28, 1994]

APPENDIX D2 TO PART 305—WATER HEATERS—ELECTRIC

[Range Information]

Capacity	Range of estimated annual energy consumption (kWh/yr.)	
First hour rating	Low	High
Less than 21	4672	4672
21 to 24	4769	4769
25 to 29	4879	4879
30 to 34	4672	4939
35 to 40	4575	4939
41 to 47	4575	5109
48 to 55	4624	5109
56 to 64	4624	5109
65 to 74	4624	5231
75 to 86	4624	5352
87 to 99	4624	5352
100 to 114	4672	5631
115 to 131	5109	5704
Over 131	(*)	(*)

*No data submitted.

[59 FR 48797, Sept. 23, 1994, as amended at 59 FR 49564, Sept. 28, 1994]

APPENDIX D3 TO PART 305—WATER HEATERS—OIL

[Range Information]

Capacity	Range of estimated annual energy consumption (gallons/yr.)	
First hour rating	Low	High
Less than 65	(*)	(*)
65 to 74	(*)	(*)

[Range Information]

Capacity	Range of estimated annual energy consumption (gallons/yr.)	
First hour rating	Low	High
75 to 86	(*)	(*)
87 to 99	(*)	(*)
100 to 114	177	200
115 to 131	171	212
Over 131	180	180

*No data submitted.

[59 FR 48797, Sept. 23, 1994, as amended at 59 FR 49564, Sept. 28, 1994]

APPENDIX D4 TO PART 305—WATER HEATERS—INSTANTANEOUS—GAS

RANGE INFORMATION

Capacity (maximum flow rate); gallons per minute (gpm)	Range of estimated annual energy consumption (therms/yr. and gallons/yr.)			
	Natural gas therms/yr.		Propane gallons/yr.	
	Low	High	Low	High
Under 1.00	233	233	256	256
1.00 to 2.00	230	234	252	256
2.01 to 3.00	188	218	206	239
Over 3.00	187	238	197	260

COST INFORMATION

When the above ranges of comparability are used on EnergyGuide labels for instantaneous water heaters, the estimated annual operating cost disclosure appearing in the box at the bottom of the labels must be derived using the 1999 Representative Average Unit Costs for natural gas (68.8¢ per therm) and propane (77¢ per gallon), and the text below the box must identify the costs as such.

[64 FR 71021, Dec. 20, 1999]

APPENDIX D5 TO PART 305—WATER HEATERS—HEAT PUMP

RANGE INFORMATION

Capacity: First hour rating	Range of estimated annual energy consumption (KWh/Yr.)	
	Low	High
Less than 21	(*)	(*)
21 to 24	(*)	(*)
25 to 29	(*)	(*)
30 to 34	(*)	(*)
35 to 40	(*)	(*)
41 to 47	(*)	(*)
48 to 55	(*)	(*)
56 to 64	(*)	(*)
65 to 74	(*)	(*)
75 to 86	(*)	(*)
87 to 99	(*)	(*)
100 to 114	(*)	(*)
115 to 131	(*)	(*)
Over 131	(*)	(*)

*No data submitted.

[67 FR 42479, June 24, 2002]

APPENDIX E TO PART 305—ROOM AIR CONDITIONERS

[Range Information]

Manufacturer's rated cooling capacity in Btu's/yr.	Range of Energy Efficiency Ratios (EERs)	
	Low	High
Without Reverse Cycle and with Louvered Sides:		
Less than 6,000 Btu	8.0	10.0
6,000 to 7,999 Btu	8.5	10.3
8,000 to 13,999 Btu	9.0	12.0
14,000 to 19,999 Btu	8.8	10.7
20,000 and more Btu	8.2	10.0
Without Reverse Cycle and without Louvered Sides:		
Less than 6,000 Btu	(*)	(*)
6,000 to 7,999	8.5	9.6
8,000 to 13,999 Btu	8.5	9.2
14,000 to 19,999 Btu	(*)	(*)
20,000 and more Btu	(*)	(*)
With Reverse Cycle and with Louvered Sides	8.5	11.5
With Reverse Cycle, without Louvered Sides	8.0	9.0

*No data submitted for units meeting Federal Minimum Efficiency Standards effective January 1, 1990.

[60 FR 56949, Nov. 13, 1995]

APPENDIX F TO PART 305—CLOTHES WASHERS

RANGE INFORMATION

''Compact'' includes all household clothes washers with a tub capacity of less than 1.6 cu. ft. or 13 gallons of water.

''Standard'' includes all household clothes washers with a tub capacity of 1.6 cu. ft or 13 gallons of water or more.

Capacity	Range of estimated annual energy consumption (kWh/yr.)	
	Low	High
Compact	576	607
Standard	177	1298

COST INFORMATION

When the above ranges of comparability are used on EnergyGuide labels for clothes washers, the estimated annual operating cost disclosures appearing in the box at the bottom of the labels must be derived using the 2000 Representative Average Unit Costs for electricity (8.03¢ per kilo Watt-hour) and natural gas (68.8¢ per therm), and the text below the box must identify the costs as such.

[65 FR 30352, May. 11, 2000]

APPENDIX G1 TO PART 305—FURNACES—GAS

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	78	96.6

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour [1]	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour [1]	Btu heat loss of home (see chart below)
14¢	

[1] For charts on natural gas, oil and propane gas, substitute the following cost figures:
a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, $1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G2 TO PART 305—FURNACES—ELECTRIC

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Ranges of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	100	100

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour [1]	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

[1] For charts on natural gas, oil and propane gas, substitute the following cost figures:
a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, $1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G3 TO PART 305—FURNACES—OIL

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	78	86.7

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour[1]	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

[1] For charts on natural gas, oil and propane gas, substitute the following cost figures:
a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, $1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G4 TO PART 305—MOBILE HOME FURNACES

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	75	83.2

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour [1]	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

[1] For charts on natural gas, oil and propane gas, substitute the following cost figures:
a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, $1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G5 TO PART 305—BOILERS—GAS (EXCEPT STEAM)

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	80	90.6

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour [1]	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

[1] For charts on natural gas, oil and propane gas, substitute the following cost figures:
a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, $1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G6 TO PART 305—BOILERS—GAS (STEAM)

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	75	83.5

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour [1]	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour [1]	Btu heat loss of home (see chart below)
10¢	
12¢	
14¢	

[1] For charts on natural gas, oil and propane gas, substitute the following cost figures:
a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢,¢, 97¢, $1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000 Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G7 TO PART 305—BOILERS—OIL

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	80	88.7

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour [1]	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

[1] For charts on natural gas, oil and propane gas, substitute the following cost figures:
a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, $1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000) Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX G8 TO PART 305—BOILERS—ELECTRIC

[1. Range Information]

Manufacturer's rated heating capacities (Btu's/hr.)	Range of annual fuel utilization efficiencies (AFUE's)	
	Low	High
All Capacities	100	100

[2. Yearly Cost Information: Cost Grid]

Cost per kilowatt hour [1]	Btu heat loss of home (see chart below)
4¢	
6¢	
8¢	
10¢	
12¢	
14¢	

[1] For charts on natural gas, oil and propane gas, substitute the following cost figures:
a. Cost per therm—10¢, 20¢, 30¢, 40¢, 50¢, 60¢.
b. Cost per gallon (oil)—76¢, 79¢, 82¢, 85¢, 88¢, 91¢, 94¢, 97¢, $1.00.
c. Cost per gallon (propane)—35¢, 40¢, 45¢, 50¢, 55¢, 60¢.

The following table shows the heat loss values (in thousand Btu's/hr.) to be used in the cost grid:

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000) Btu's per hour)
5,000 to 10,000	5	5
11,000 to 16,000	10	5, 10
17,000 to 25,000	15	10, 15
26,000 to 42,000	20	15, 20, 25
43,000 to 59,000	30	25, 30, 35, 40
60,000 to 76,000	40	35, 40, 45, 50
77,000 to 93,000	50	40, 45, 50, 60
94,000 to 110,000	60	50, 60, 70, 80
111,000 to 127,000	70	60, 70, 80, 90
128,000 to 144,000	80	70, 80, 90, 100
145,000 to 161,000	90	80, 90, 100, 110, 120
162,000 to 178,000	100	90, 100, 110, 120, 130

[Heat Loss Table]

Manufacturers' rated heat output of model to be labeled (Btu's per hour)	Design heat loss of model to be labeled (1,000 Btu's per hour)	Heat loss values to be used on the grid (1,000) Btu's per hour)
179,000 to 195,000	110	100, 110, 120, 130, 140
196,000 and over	130	120, 130, 140, 150, 160

Beside each cost in the cost grid, and below the appropriate heat loss value taken from the heat loss table, place the cost estimate for the model being labeled using the table costs in place of the national average cost and using the heat loss values in place of the design heat loss used in the table with the national average cost.

[59 FR 34042, July 1, 1994, as amended at 59 FR 48798, Sept. 23, 1994]

APPENDIX H TO PART 305—COOLING PERFORMANCE AND COST FOR CENTRAL AIR CONDITIONERS

1. *Range Information:*

Manufacturer's rated cooling capacity (Btu's/hr.)	Range of SEER's	
	Low	High
Single Package Units		
Central Air Conditioners (Cooling Only): All capacities	9.70	16.05
Heat Pumps (Cooling Function): All capacities	9.70	15.60
Split System Units		
Central Air Conditioners (Cooling Only): All capacities	10.00	17.00
Heat Pumps (Cooling Function): All capacities	10.00	16.40

2. *Yearly Cost Information:*

For each model, display three annual operating costs, based on 8.28¢ per kilowatt hour, rounded to the nearest $10, corresponding to the three building heat gains from the chart below:

Manufacturers rated cooling capacity (BTU/hr)	Building heat gain (in 1000's BTU's/hr)		
Up to 9,000	3	6	9
9,100 to 15,000	9	12	15
15,100 to 21,000	15	18	21
21,100 to 27,000	21	24	27
27,200 to 33,000	27	30	33
33,200 to 39,000	33	36	39
39,500 to 45,000	39	42	45
45,500 to 51,000	45	48	51
51,500 to 57,000	51	54	57
57,500 to 63,000	57	60	63
63,500 and over	63	66	69

The values of building heat gain are to be considered cooling capacities in the calculation of annual operating cost in accordance with 10 CFR 430.22 (m)(1)(i).

Include the following note on every fact sheet page that lists annual operating costs.

NOTE: These figures are based on U.S. Government standard tests and are for national averages of 1000 cooling load hours and 8.28¢/KWH. Your cost will vary depending on your local energy rate and how you use the product. A method for estimating your cost of operation is given [direct user to location].

The methodology referred to in the note is provided below. This information shall be included a least once in all compendiums of fact sheets. If separate fact sheets are prepared for individual distribution to consumers, this methodology must be provided on or with the unbound fact sheets.

HOW TO ESTIMATE YOUR COOLING COST

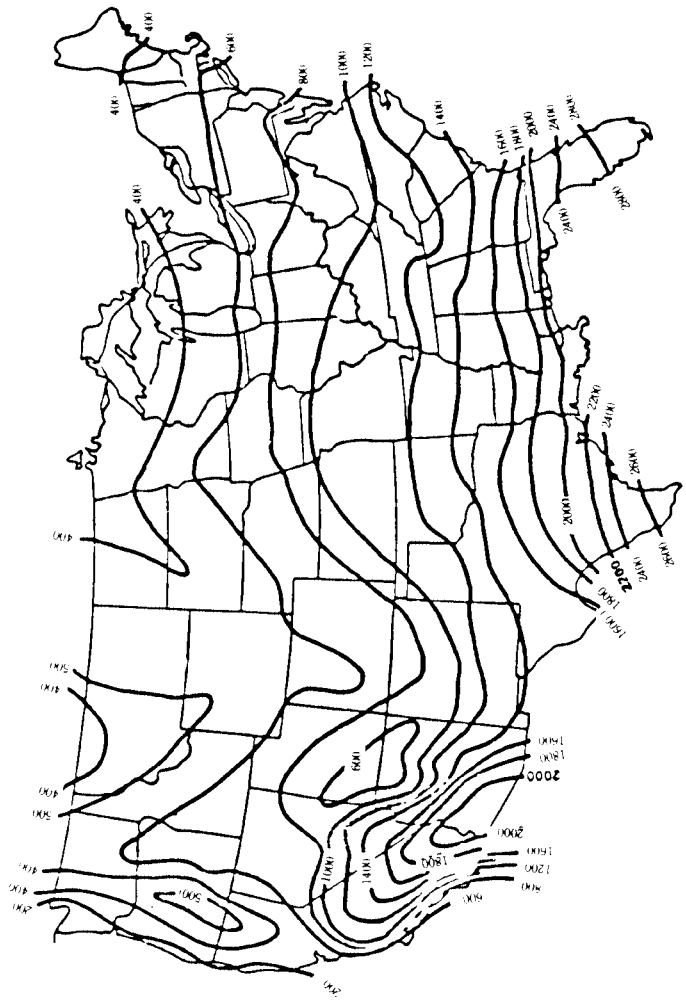
To estimate your actual cost of operation, find your cooling load hours from the map, your average annual operating cost from the National Average Annual Operating Cost Table, and determine your electrical rate in cents per kilowatt hour (KWH) from your electric bill.

$$\text{Your estimated cost} = \text{Listed average annual operating cost}^{*} \times \frac{\text{Your cooling load hours}^{**}}{1{,}000} \times \frac{\text{Your electrical rate in cents per KWH}}{8.28¢}$$

$$\text{Your estimated cost} = \text{Listed average annual operating cost}^{*} \times \frac{\text{Your cooling load hours}^{**}}{1{,}000} \times \frac{\text{Your electrical rate in cents per KWH}}{8.29¢}$$

Example: If your cooling load hours = 1500, and your electric rate is 12.42¢/KWH and your listed annual operating cost is $100, then:,
Your estimated cost = $100 × 1,500 / 1,000 × 12.42¢ / 8.28¢
Your estimated cost = $100 × 1.5 × 1.5 = $225
Your estimated cost = $225

Cooling Load Hour Map



This map must be included at least once in all compendiums of fact sheets. If separate fact sheets are prepared for individual distribution to consumers, this map must be provided on or with the separate fact sheets.

	Cooling Load Hours
Alaska	0 - 6,000
Canal Zone	0 - 6,600
Guam	0 - 2,300
Hawaii	0 - 6,000
Puerto Rico	0 - 6,600
Samoa	0 - 6,600
Virgin Island	0 - 6,000

[An example of a fact sheet for central air conditioners or for only the cooling function of heat pumps]

ENERGYGUIDE

Split System Central Air Conditioner (Cooling Only)

Cooling Capacity:

Models	XXX/C1	31,000 BTU/hr
	XXX/C2	31,400 BTU/hr
	YYY/C3	29,000 BTU/hr
	YYY/C6	29,400 BTU/hr

Cooling Performance:

Model XXX/C1
12.7 SEER

Energy efficiency range of all similar models

Least Efficient Model 10.0 — **Most Efficient Model** 16.9

Model XXX/C2
12.6 SEER

Energy efficiency range of all similar models

Least Efficient Model 10.0 — **Most Efficient Model** 16.9

Model YYY/C3
13.0 SEER

Energy efficiency range of all similar models

Least Efficient Model 10.0 — **Most Efficient Model** 16.9

Model YYY/C6
12.9 SEER

Energy efficiency range of all similar models

Least Efficient Model 10.0 — **Most Efficient Model** 16.9

This (or these) energy rating(s) is (or are) based on U.S. Government standard tests of this (or these) condenser model(s) combined with the most common coil(s). The ratings may vary slightly with different coils.

[This is Page 1 of Sample Fact Sheet]

* * * * *

NATIONAL AVERAGE ANNUAL OPERATING COST TABLE ($ PER YEAR)

Model	Building Heat Gain (BTU/hour)		
	27,000	30,000	33,000
XXX/C1	$200	$220	$240
XXX/C2	$200	$220	$240
XXX/C3	$190	$210	$230
XXX/C6	$190	$210	$230

NOTE: These figures are based on U.S. Goverment standard tests and are for national averages of 1000 cooling load hours and 8.28¢/KWH. Your cost will vary depending on your local energy rate and how you use the product. A method for estimating your cost of operation is provided on page 2 of this fact sheet.

HOW TO ESTIMATE YOUR COOLING COST

To estimate your actual cost of operation, find your actual cooling load hours from the map, your average annual operating cost from the National Average Annual Operating Cost Table, and determine your electrical rate in cents per kilowatt hour (KWH) from your electrical bill.

$$\text{Your estimated cost} = \frac{\text{Listed average annual operating cost}*}{} \times \frac{\text{Your cooling load hours}**}{1{,}000} \times \frac{\text{Your electrical rate in cents per KWH}}{8.29¢}$$

Example: If your cooling load hours are 1500, and your electric rate is 12.42¢/KWH, and your listed annual operating cost is $100, then:
Your estimated cost = $100 × 1,500 / 1,000 × 12.42¢/ 8.28¢
Your estimated cost = $100 × 1.5 × 1.5 = $225
Your estimated cost = $225

(THIS IS PAGE 2 OF SAMPLE FACT SHEET)

[53 FR 19729, May 27, 1988, as amended at 54 FR 53318, Dec. 28, 1989; 55 FR 43093, Oct. 26, 1990; 56 FR 46728, Sept. 16, 1991; 57 FR 44332, Sept. 25, 1992; 59 FR 34049, July 1, 1994; 59 FR 39951 and 39952, Aug. 5, 1994; 60 FR 56949, Nov. 13, 1995; 61 FR 48622, Sept. 16, 1996; 62 FR 44891, Aug. 25, 1997; 63 FR 66431, Dec. 2, 1998; 64 FR 926, Jan. 6, 1999; 64 FR 71021, Dec. 20, 1999; 65 FR 53166, Sept. 1, 2000; 66 FR 49531, Sept. 28, 2001; 66 FR 57872, Nov. 19, 2001; 67 FR 58328, Sept. 16, 2002]

APPENDIX I TO PART 305—HEATING PERFORMANCE AND COST FOR CENTRAL AIR CONDITIONERS

1. *Range Information*

Manufacturer's rated heating capacity (Btu's/hr.)	Range of HSPF's	
	Low	High
Single Package Units		
Heat Pumps (Heating Function): All capacities	6.60	8.20
Split System Units		
Heat Pumps (Heating Function): All capacities	6.80	10.20

The HSPF shall be the Region IV value based on the appropriate average design heat loss from the table below.

2. *Yearly Heating Cost Information:*

For each model, display a regional annual operating cost, based on 8.28¢ per kilowatt hour, rounded to the nearest $10, calculated according to 10 CFR 430.22(m)(3)(ii) for each region. The heat loss of home values given in the chart below are to be considered standardized design heating requirements in the calculation of annual operating cost in accordance with 10 CFR 430.22(m)(3)(ii).

Capacity	Region	Average design heat loss (in 1000's Btu's/hr.)	Heat loss of home values used on the grid (in 1000's Btu's/hr.)
Up to 9,000	1	10	5, 10
	2		5, 10, 15
	3		5, 10, 15
	4		10, 15, 20

Capacity	Region	Average design heat loss (in 1000's Btu's/hr.)	Heat loss of home values used on the grid (in 1000's Btu's/hr.)
	5		10, 15, 20
	6		5, 10, 15
9,100 to 15,000	1	20	5, 10, 15
	2		5, 10, 15, 20
	3		10, 15, 20, 25
	4		10, 15, 20, 25, 30
	5		10, 15, 20, 25, 30
	6		5, 10, 15, 20
15,100 to 21,000	1	25	10, 15, 20
	2		10, 15, 20, 25
	3		15, 20, 25, 30
	4		15, 20, 25, 30, 35, 40
	5		15, 20, 25, 30, 35, 40
	6		10, 15, 20, 25, 30, 35
21,100 to 27,000	1	30	10, 15, 20, 25
	2		15, 20, 25, 30
	3		15, 20, 25, 30, 35, 40
	4		20, 25, 30, 35, 40, 50
	5		20, 25, 30, 35, 40, 50, 60
	6		10, 15, 20, 25, 30, 35
21,100 to 27,000	1	30	10, 15, 20, 25
	2		15, 20, 25, 30
	3		15, 20, 25, 30, 35, 40
	4		20, 25, 30, 35, 40, 50
	5		20, 25, 30, 35, 40, 50, 60
	6		15, 20, 25, 30, 35, 40
27,100 to 33,000	1	35	15, 20, 25, 30
	2		20, 25, 30, 35, 40
	3		20, 25, 30, 35, 40, 50
	4		25, 30, 35, 40, 50, 60
	5		25, 30, 35, 40, 50, 60, 70, 80
	6		20, 25, 30, 35, 40, 50, 60
33,200 to 39,000	1	50	15, 20, 25, 30, 35
	2		25, 30, 35, 40, 50
	3		30, 35, 40, 50, 60
	4		35, 40, 50, 60, 70, 80, 90
	5		35, 40, 50, 60, 70, 80, 90
	6		25, 30, 35, 40, 50
39,500 to 45,000	1	60	20, 25, 30, 35, 40
	2		25, 30, 35, 40, 50, 60
	3		30, 35, 40, 50, 60
	4		40, 50, 60, 70, 80, 90, 100
	5		40, 50, 60, 70, 80, 90, 100, 110
	6		25, 30, 35, 40, 50, 60, 70, 80
45,500 to 51,000	1	70	20, 25, 30, 35, 40
	2		30, 35, 40, 50, 60
	3		35, 40, 50, 60, 70, 80
	4		50, 60, 70, 80, 90, 100, 110
	5		50, 60, 70, 80, 90, 100, 110, 130
	6		30, 35, 40, 50, 60, 70, 80, 90, 100, 110, 130
51,500 to 57,000	1	70	25, 30, 35, 40, 50
	2		35, 40, 50, 60, 70
	3		40, 50, 60, 70, 80, 90
	4		50, 60, 70, 80, 90, 100, 110
	5		50, 60, 70, 80, 90, 100 ,110, 130
	6		35, 40, 50, 60, 70, 80, 90, 100
57,500 to 63,000	1	80	25, 30, 35, 40, 50
	2		35, 40, 50, 60, 70
	3		50, 60, 70, 80, 90
	4		60, 70, 80, 90, 100, 110
	5		60, 70, 80, 90, 100, 110, 130
	6		35, 40, 50, 60, 70, 80, 90, 100
63,500 and over	1	90	30, 35, 40, 50, 60
	2		40, 50, 60, 70, 80
	3		50, 60, 70, 80, 90, 100
	4		70, 80, 90, 100, 110, 130
	5		70, 80, 90, 100, 110, 130
	6		40, 50, 60, 70, 80

Include the following note on every fact sheet page that lists annual operating costs.

NOTE: These annual heating costs are based on U.S. Government standard tests and on a national average cost of electricity of 8.28¢/KWH. Your cost will vary depending on your local energy rate and how you use the product. A method for estimating your cost of operation is given [direct user to location].

The methodology referred to in the note is provided below. This information shall be included at least once in all compendiums of fact sheets. If separate fact sheets are prepared for individual distribution to consumers, this methodology must be provided on or with the unbound fact sheets.

HOW TO ESTIMATE YOUR HEATING COSTS

To estimate your heating cost, determine your cost of electricity in cents per kilowatt hour (KWH) from your electric bill, your listed average annual heating cost from the National Average Annual Heating Cost Table, and use that number in the following equation:

$$\text{Your estimated cost} = \text{Listed annual heating cost} * \times \frac{\text{Your electrical cost in cents per KWH}}{8.28¢}$$

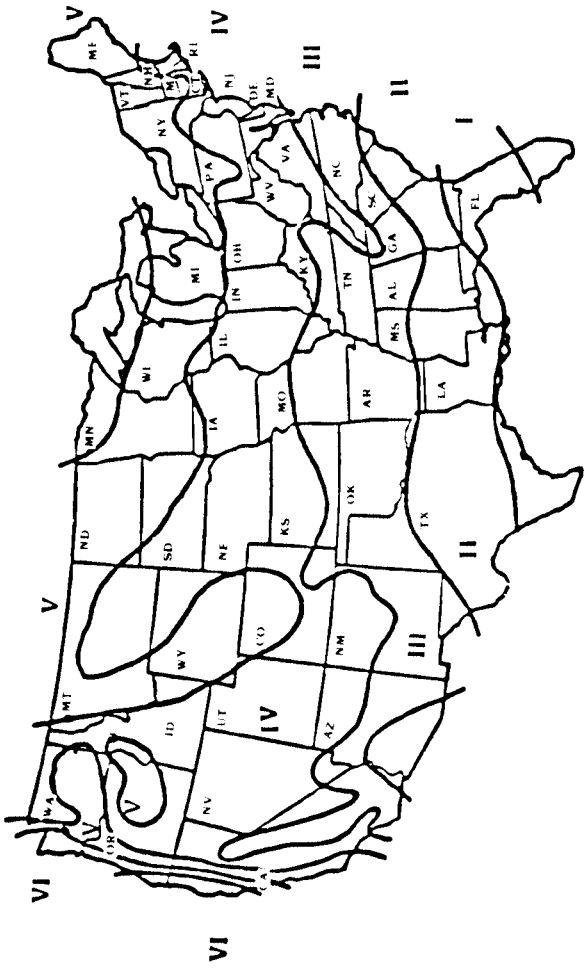
Example: If your electric rate is 12.42¢/KWH and the annual heating cost listed in the chart is $200:

Your estimated cost = $200 × 12.42¢/8.28¢

Your estimated cost = $200 × 1.5 = $300

Your estimated cost = $300

Heating Region Map



This map must be included at least once in all compendiums of fact sheets. If separate fact sheets are prepared for individual distribution to consumers, this map must be provided on or with the separate fact sheets.

[An example of a fact sheet showing only the heating function for heat pumps]

Heating Capacity:

Models	XXX/C1	33,000 BTU/hr
	XXX/C2	35,000 BTU/hr

Heating Performance for Region IV

Model XXX/C1
7.9 HSPF

Energy efficiency range of all similar models

Least Efficient Model 6.8 — **Most Efficient Model** 10.2

Model XXX/C2
8.9 HSPF

Energy efficiency range of all similar models

Least Efficient Model 6.8 — **Most Efficient Model** 10.2

This (or these) energy rating(s) is (or are) based on U.S. Government standard tests of this (or these) condenser model(s) combined with the most common coil(s). The ratings will vary slightly with different coils and in different geographic regions.

NATIONAL AVERAGE ANNUAL HEATING COST TABLE ($ per year)

MODEL XXX/C1	Heat Loss of Home (in 1000's Btu's/hr.)									
	15	20	25	30	35	40	50	60	70	80
* Region 1	$60	$80	$100	$120						
" 2		$140	$170	$200	$240	$280				
" 3			$250	$300	$350	$400	$520			
" 4			$350	$410	$480	$550	$710	$910	$1110	$1330
" 5				$560	$660	$750	$970	$1200	$1460	$1720
" 6		$300	$370	$430	$500	$590				

MODEL XXX/C2	Heat Loss of Home (in 1000's Btu's/hr.)									
	15	20	25	30	35	40	50	60	70	80
* Region 1	$50	$70	$90	$110						
" 2		$130	$160	$190	$220	$260				
" 3			$240	$280	$330	$400	$500			
" 4			$330	$400	$450	$520	$580	$880	$1020	$1230
" 5				$540	$640	$730	$940	$1100	$1300	$1620
" 6		$300	$350	$400	$470	$560				

*From Heating Region Map

(This is Page 1 of Sample Fact Sheet)

NOTE: These annual heating costs are based on U.S. Government standard tests and on a national average cost of electricity of 8.28¢/KWH. Your cost will vary depending on your local energy rate and how you use the product. A method for estimating your cost of operation is given below.

HOW TO ESTIMATE YOUR HEATING COST

To estimate your heating cost, determine your cost of electricity in cents per kilowatt hour (KWH) from your electric bill, your listed average annual heating cost from the National Average Annual Heating Cost Table, and substitute that number in the following equation:

$$\text{Your estimated cost} = \text{Listed annual heating cost} * \times \frac{\text{Your electrical cost in cents per KWH}}{8.28¢}$$

Example: If your electric cost is 12.42¢/KWH and the annual heating cost listed in the table is $200:

Your estimated cost = $200 × 12.42¢/8.28¢
Your estimated cost = $200 × 1.5 = $300
Your estimated cost = $300

(THIS IS PAGE 2 OF SAMPLE FACT SHEET)

[53 FR 19729, May 27, 1988, as amended at 54 FR 53318, Dec. 28, 1989; 55 FR 43093, Oct. 26, 1990; 56 FR 46728, Sept. 16, 1991; 57 FR 44332, Sept. 25, 1992; 59 FR 34051, July 1, 1994; 59 FR 39952, Aug. 5, 1994; 60 FR 56949, Nov. 13, 1995; 61 FR 48623, Sept. 16, 1996; 62 FR 44891, Aug. 25, 1997; 64 FR 926, Jan. 6, 1999; 64 FR 71021, Dec. 20, 1999; 65 FR 53166, Sept. 1, 2000; 66 FR 49531, Sept. 28, 2001; 66 FR 57872, Nov. 19, 2001; 67 FR 58328, Sept. 16, 2002]

APPENDIX J1 TO PART 305—POOL HEATERS—GAS

RANGE INFORMATION

Manufacturer's rated heating capacities	Range of thermal efficiencies (percent)			
	Natural gas		Propane	
	Low	High	Low	High
All capacities	78.4	97.0	78.4	97.0

[60 FR 43369, Aug. 21, 1995]

APPENDIX J2 TO PART 305—POOL HEATERS—OIL

RANGE INFORMATION

Manufacturer's rated heating capacities	Range of thermal efficiencies (percent)	
	Low	High
All capacities	78.0	78.0

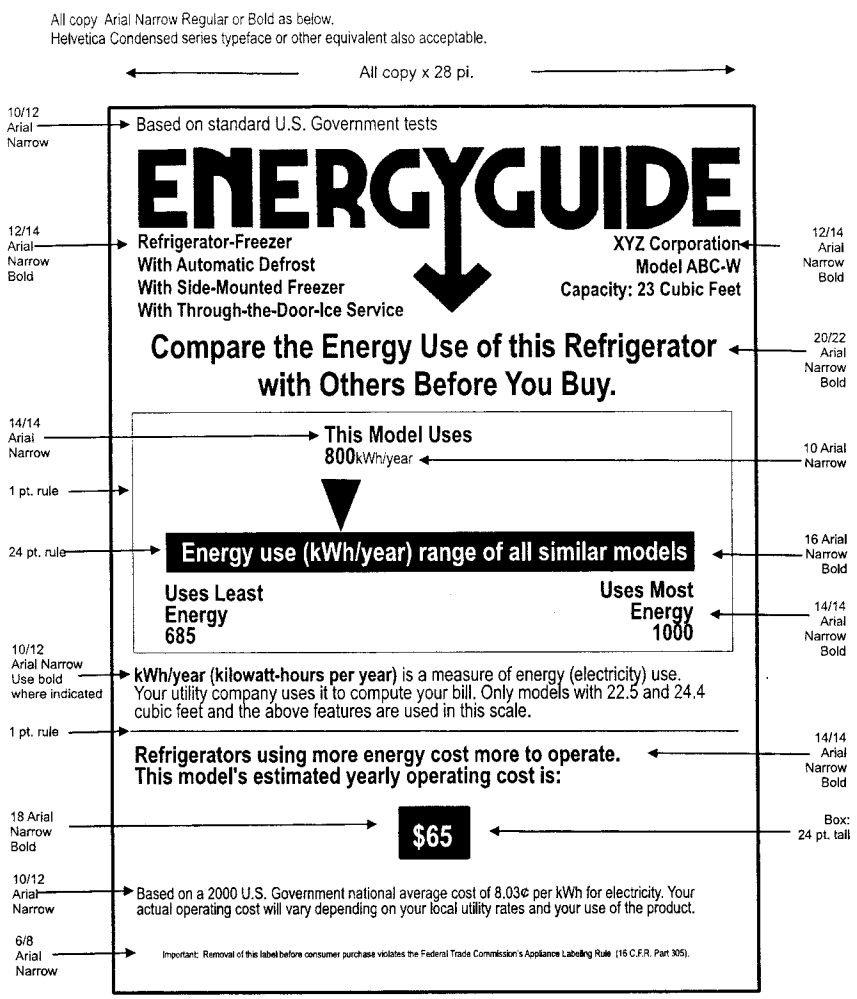
[60 FR 43370, Aug. 21, 1995]

APPENDIX K TO PART 305—SUGGESTED DATA REPORTING FORMAT

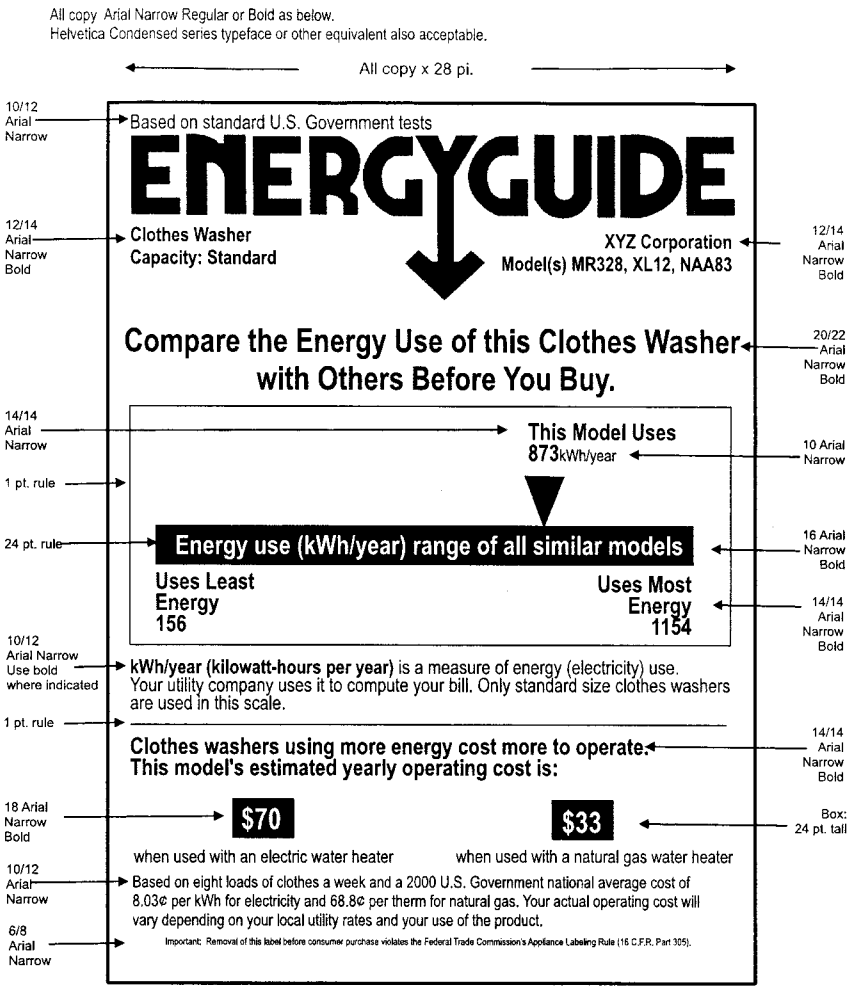
1. Date of Report _____
2. Company Name _____
3. City _____
4. State _____
5. Product _____
6. Energy Type (gas, oil, etc.) _____
7. Model Number _____
8. Estimated Annual Energy Consumption or Energy Efficiency Rating _____
9. Capacity _____
10. Number of Tests Performed _____
11. Total Energy Consumption (based on all tests performed) _____

[52 FR 49647, Dec. 31, 1987; as amended at 59 FR 34053, July 1, 1994. Redesignated at 59 FR 49565, Sept. 28, 1994]

APPENDIX L TO PART 305—SAMPLE LABELS



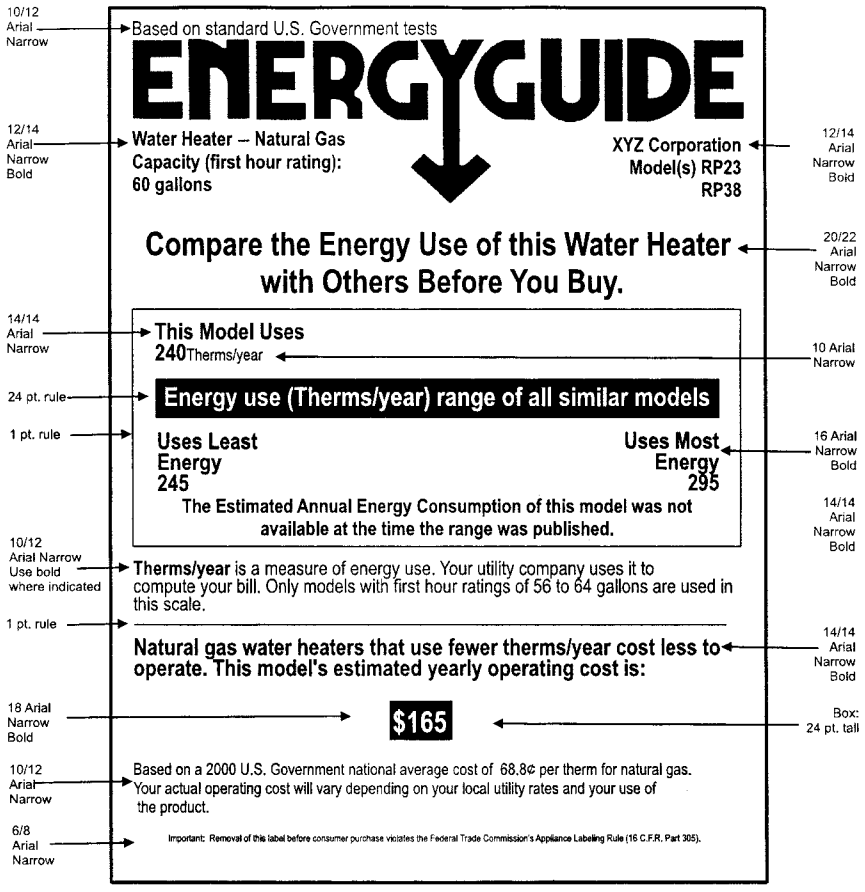
Prototype Label 1



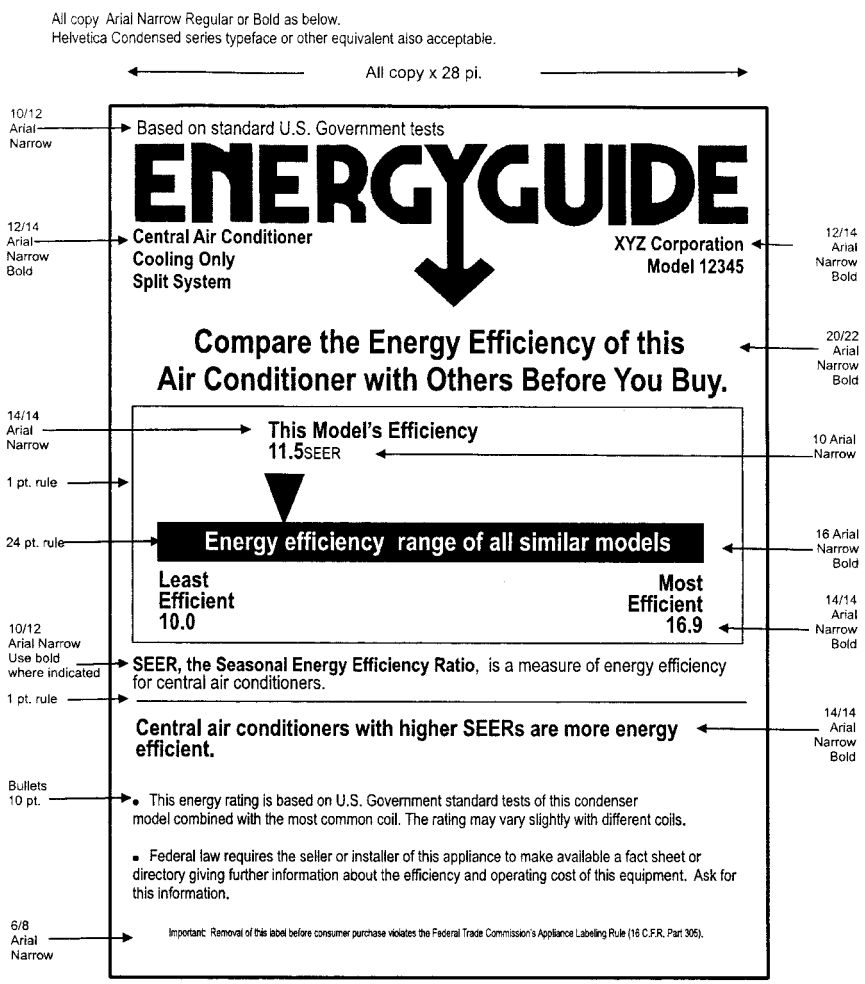
Prototype Label 2

All copy Arial Narrow Regular or Bold as below.
Helvetica Condensed series typeface or other equivalent also acceptable.

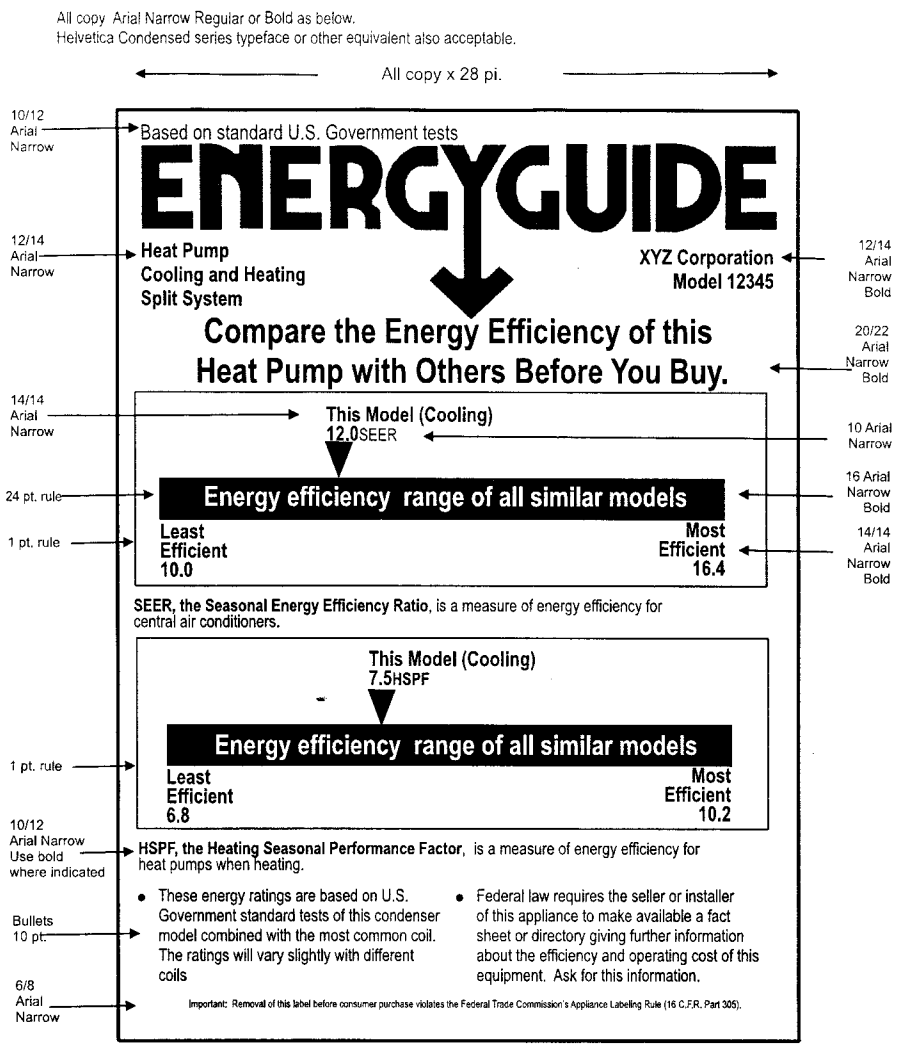
All copy x 28 pi.



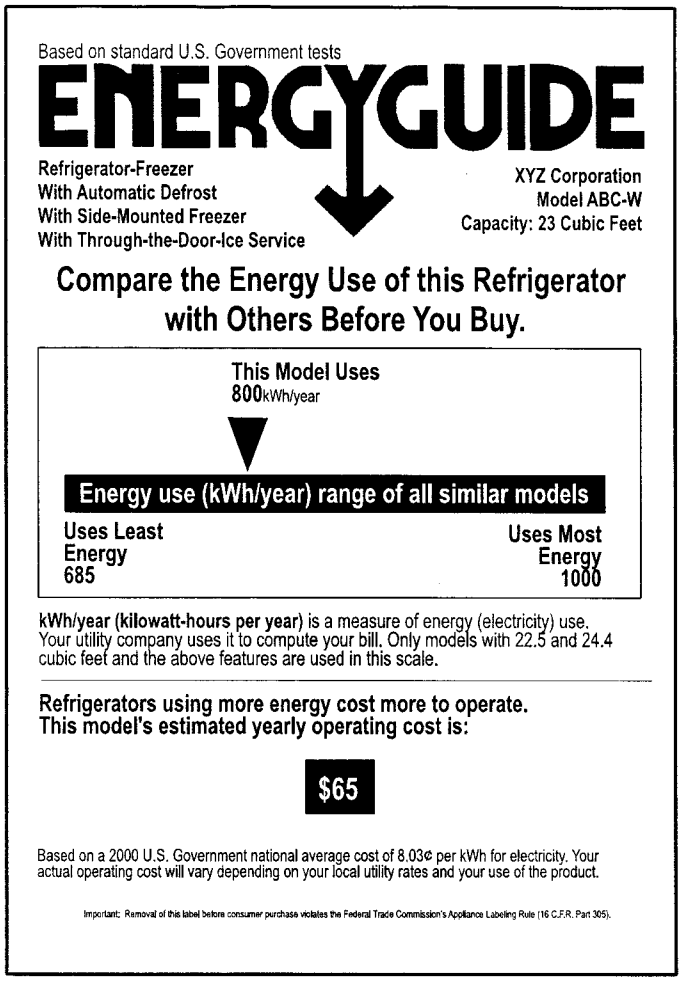
Prototype Label 3



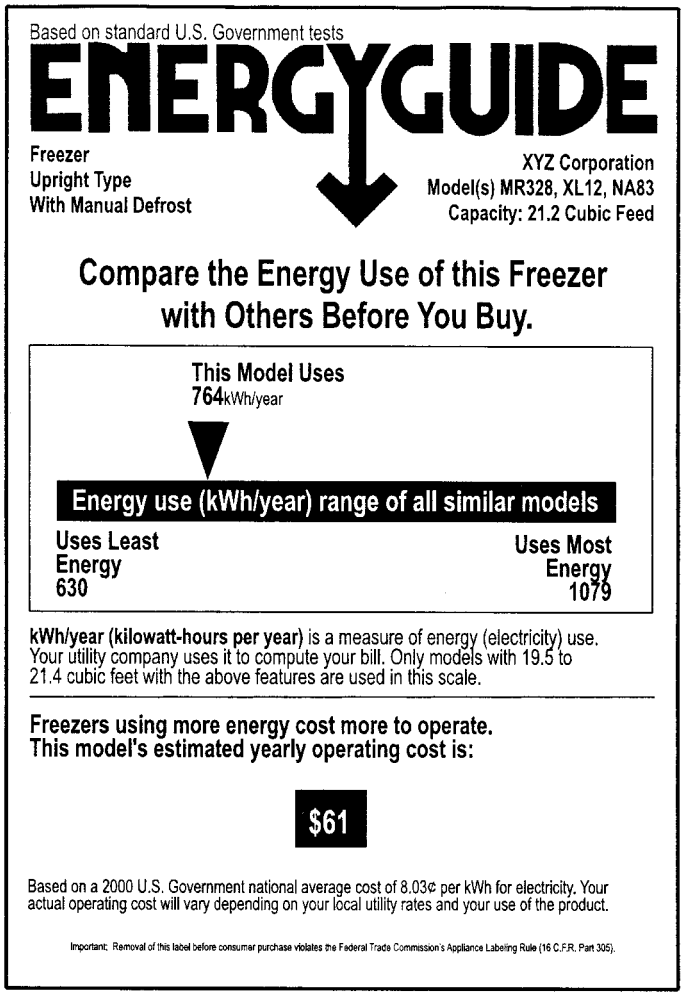
Prototype Label 4



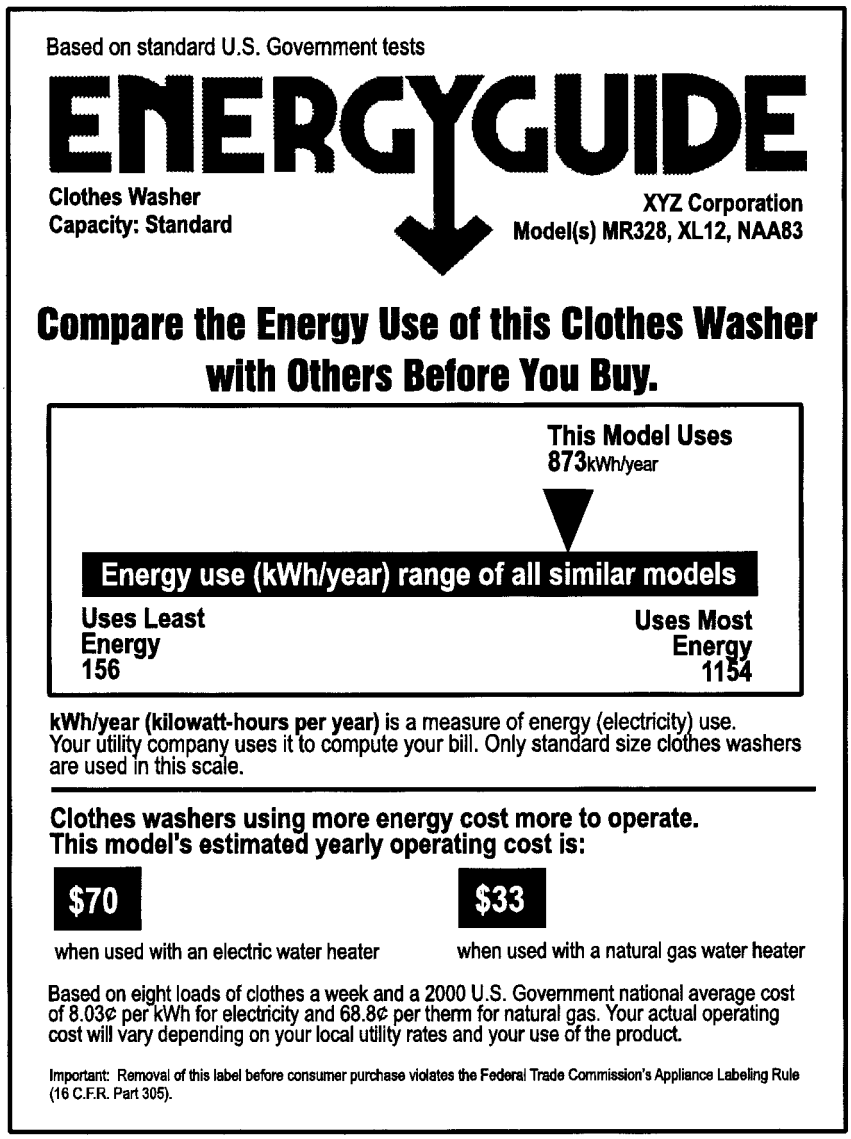
Prototype Label 5



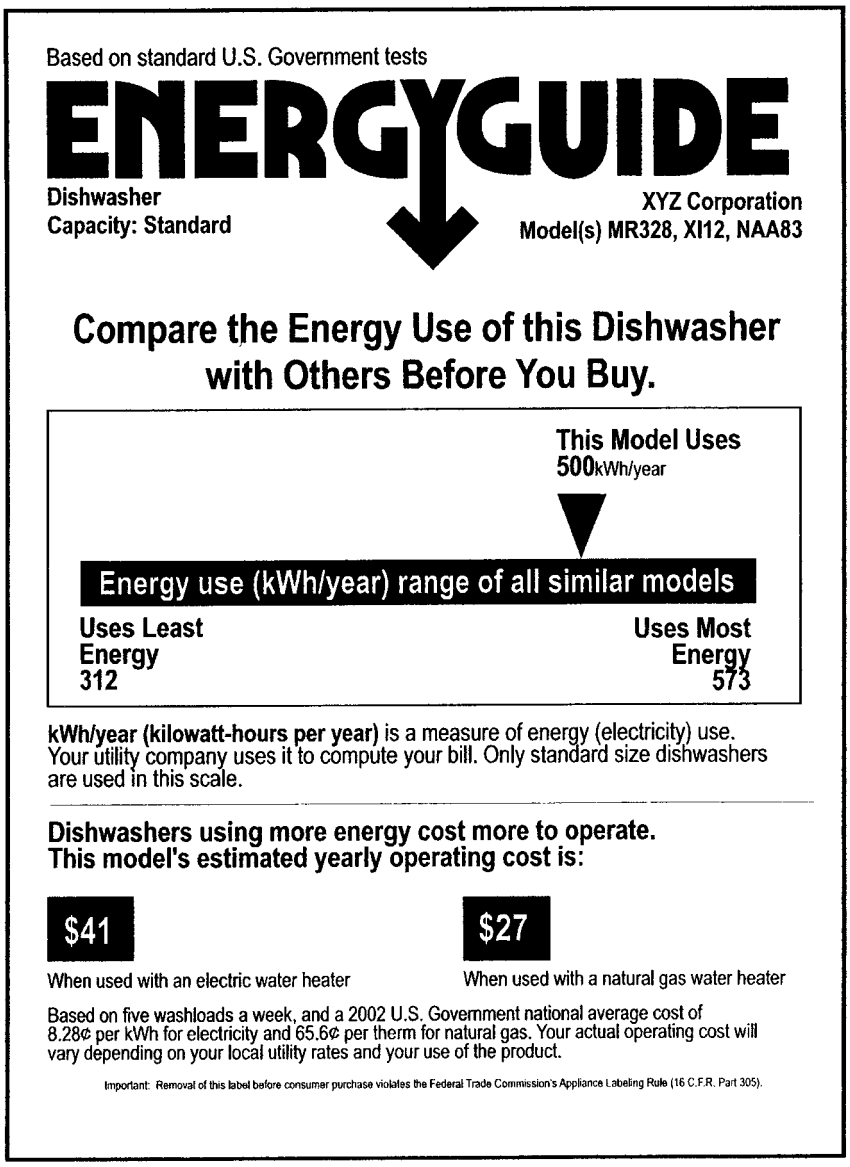
Sample Label 1



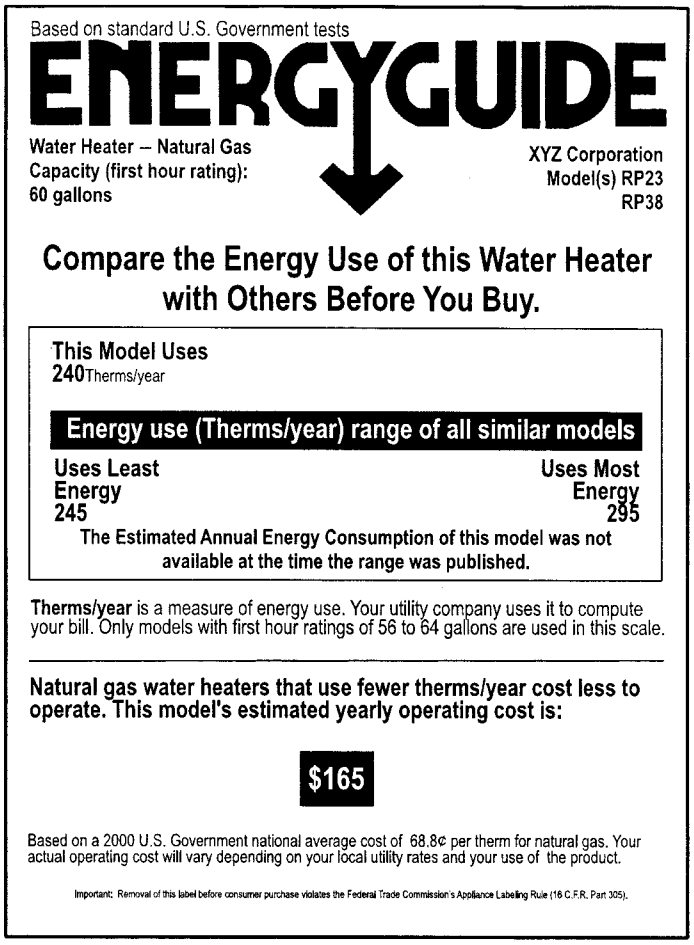
Sample Label 2



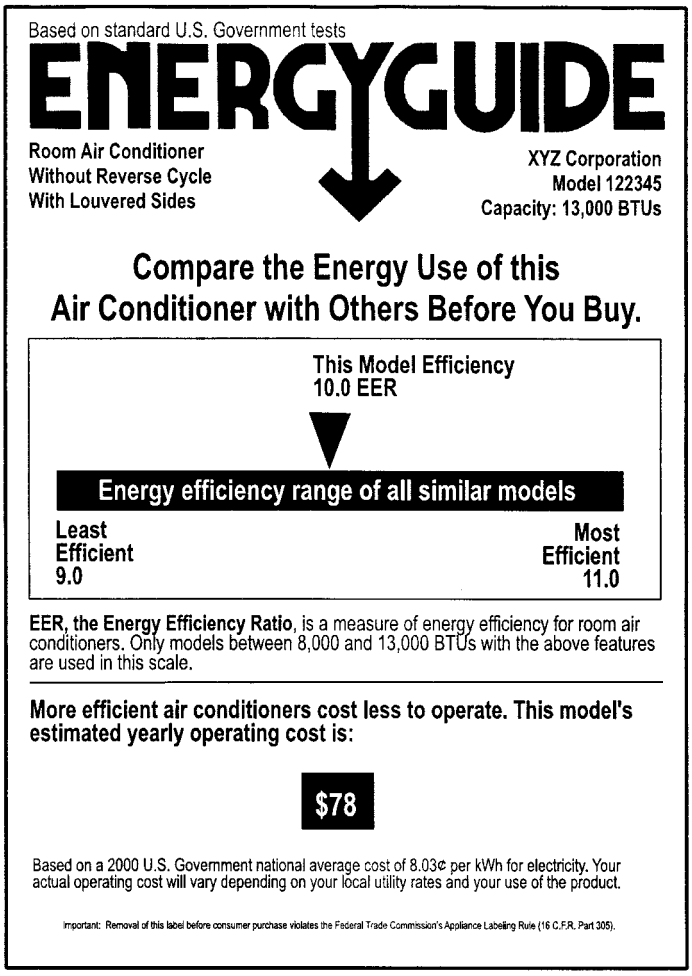
Sample Label 3



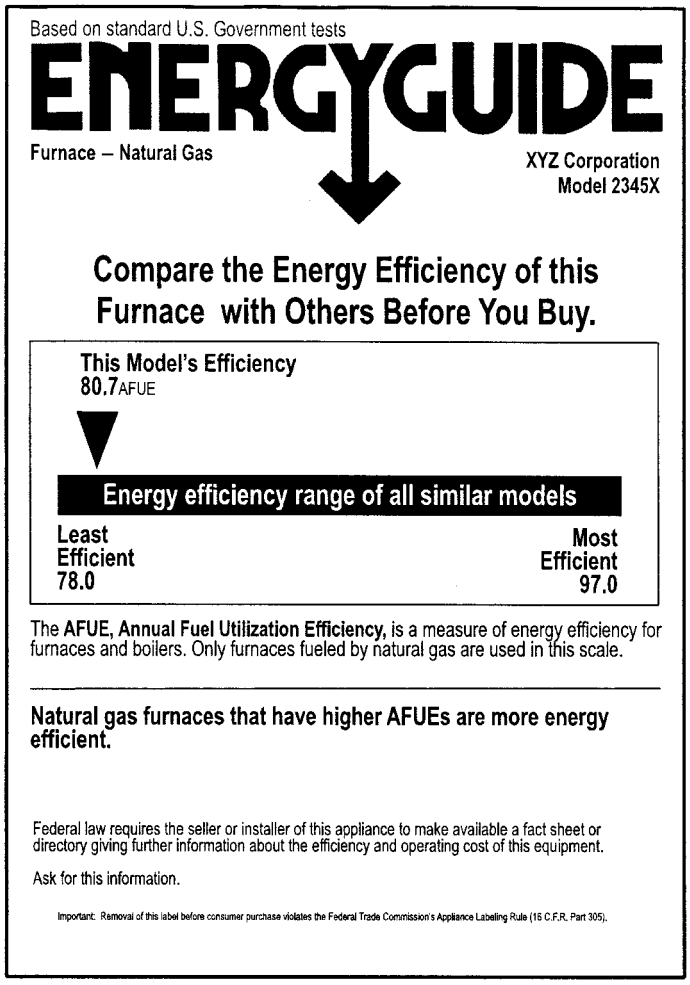
Sample Label 4



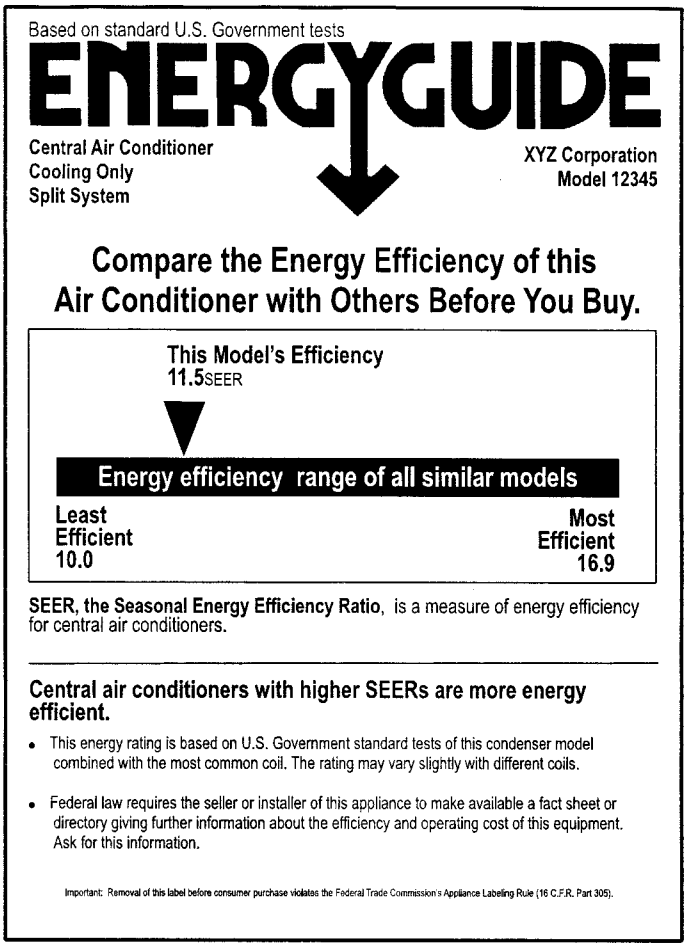
Sample Label 5



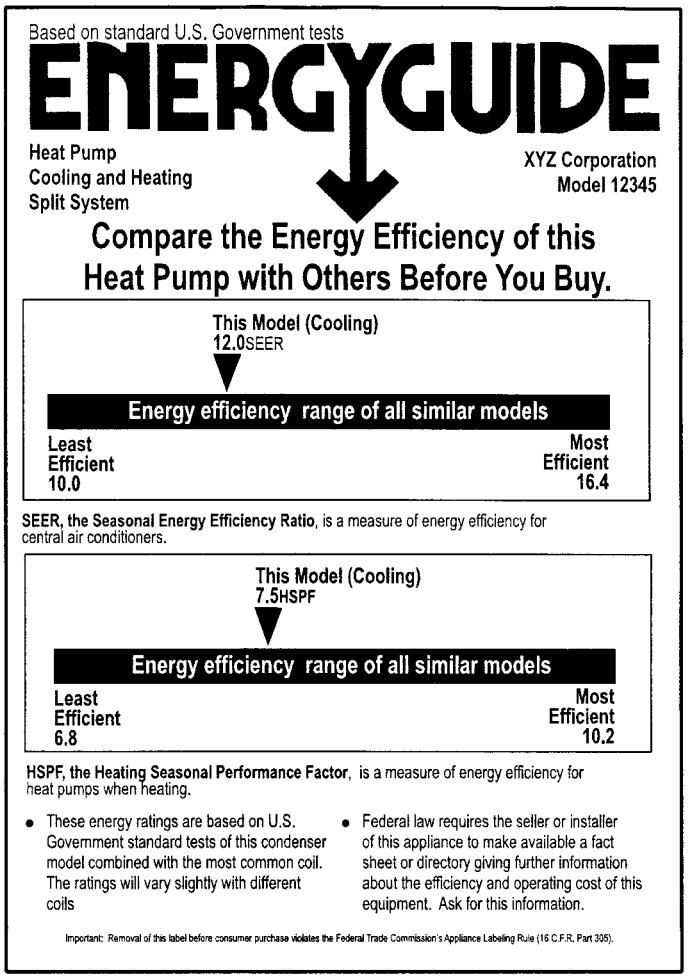
Sample Label 6



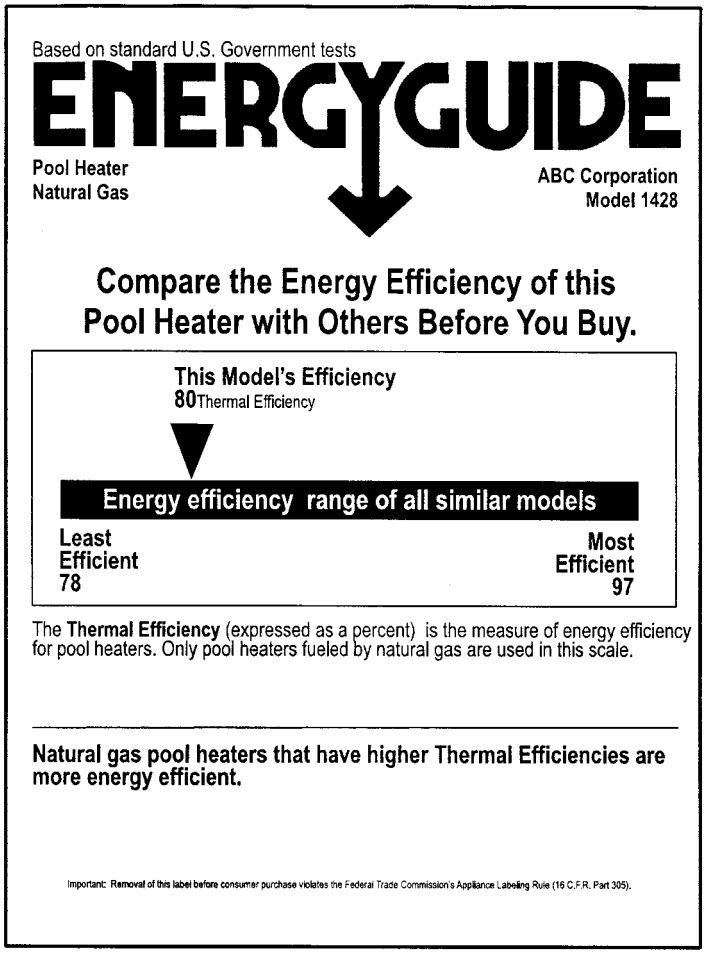
Sample Label 7



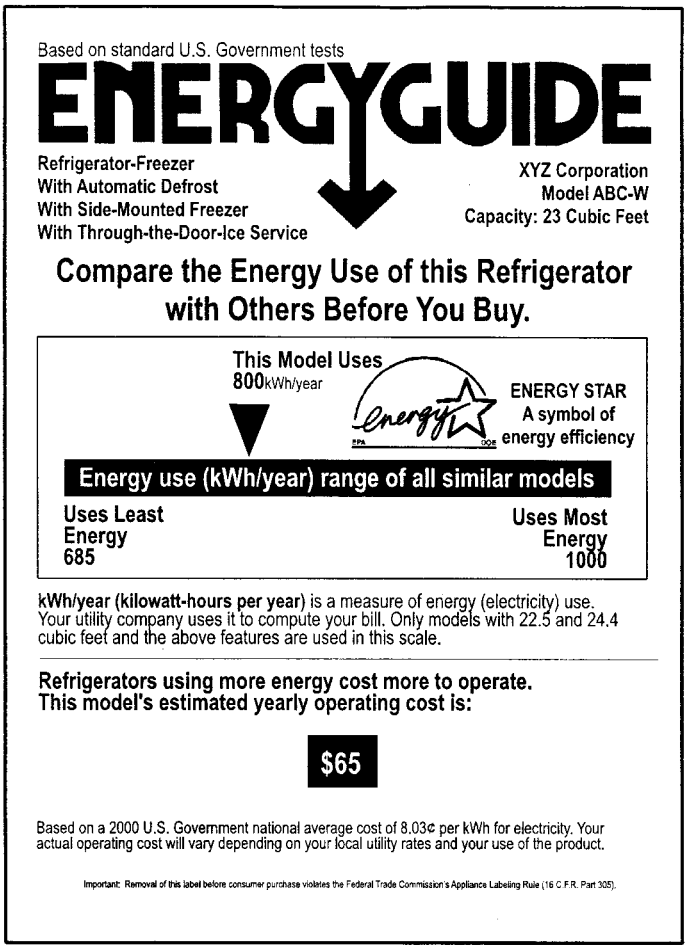
Sample Label 8



Sample Label 9



Sample Label 10



Sample Label 11

* * * * *

Lamp Packaging Disclosures

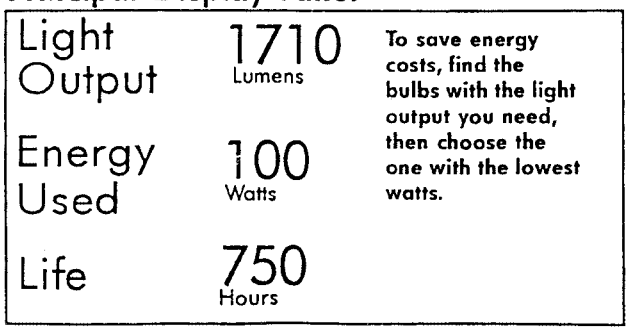
Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," and "hours" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel



Incandescent (non-reflector) Lamp Illustration

Lamp Packaging Disclosures

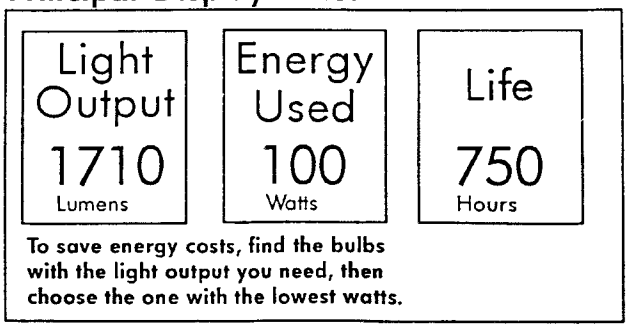
Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," and "hours" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel



Incandescent (non-reflector) Lamp Illustration

Lamp Packaging Disclosures

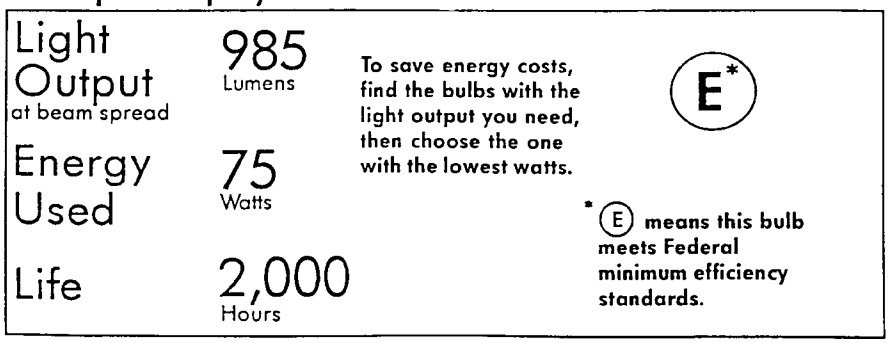
Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," "hours," and "at beam spread" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel



The explanatory statement next to the encircled "E" on the principal display panel above could be disclosed (clearly and conspicuously) on another panel, provided asterisks and the words "See [Back, Top, Side] panel for details" are used.

Incandescent Reflector Lamp Illustration

Lamp Packaging Disclosures

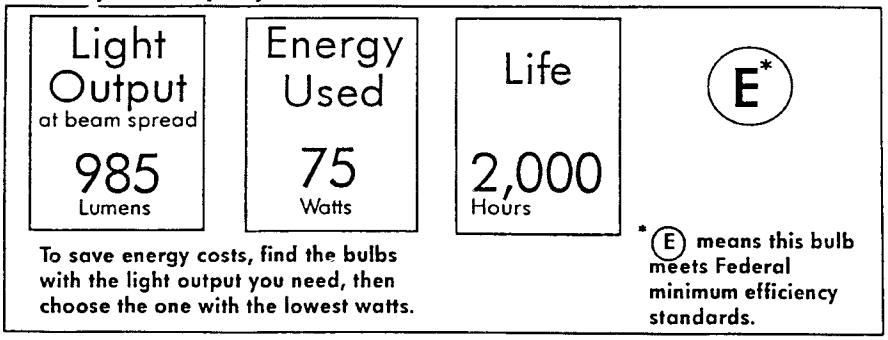
Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," "hours," and "at beam spread" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel



The explanatory statement next to the encircled "E" on the principal display panel above could be disclosed (clearly and conspicuously) on another panel, provided asterisks and the words "See [Back, Top, Side] panel for details" are used.

Incandescent Reflector Lamp Illustration

Lamp Packaging Disclosures

Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," and "hours" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: *This illustrates the elements and relative sizes of the required disclosures.*

Principal Display Panel

Light Output	1200 Lumens	To save energy costs, find the bulbs with the light output you need, then choose the one with the lowest watts.
Energy Used	20 Watts	
Life	10,000 Hours	

Compact Fluorescent Lamp Illustration

Lamp Packaging Disclosures

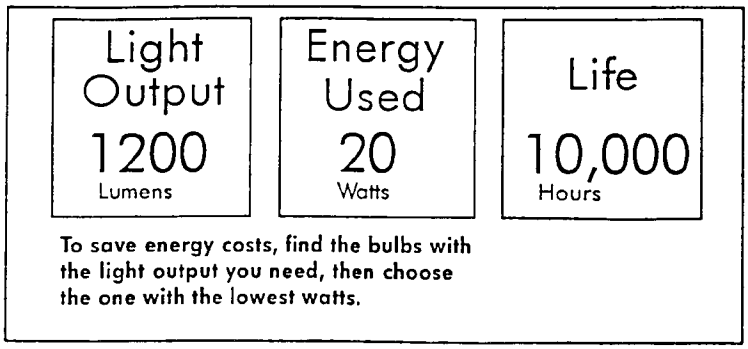
Specifications

- All required disclosures must be clear and conspicuous.
- The words "light output" must appear first in order, followed by the lumens number. The word "lumens" must be close to either "light output" or the lumens number.
- The words "energy used" must appear second in order, followed by the wattage number. The word "watts" must be close to either "energy used" or the wattage number.
- The word "life" must appear third in order, followed by the life in hours number. The word "hours" must be close to either "life" or the life in hours number.
- The numbers for light output, energy used, and life must be of equal size and in the same typestyle.
- The words "light output," "energy used," and "life" must be of equal size and in the same typestyle.
- The words "lumens," "watts," and "hours" must be of equal size and in the same typestyle, but only approximately 50 percent of the size of the words "light output," "energy used," and "life."

Illustration

Note: This illustrates the elements and relative sizes of the required disclosures.

Principal Display Panel



Compact Fluorescent Lamp Illustration

[59 FR 25212, May 13, 1994; 59 FR 34053, July 1, 1994. Redesignated and amended at 59 FR 49565, 49567, Sept. 28, 1994; 65 FR 16142, Mar. 27, 2000; 65 FR 17564, Apr. 3, 2000; 67 FR 47445, July 19, 2002]